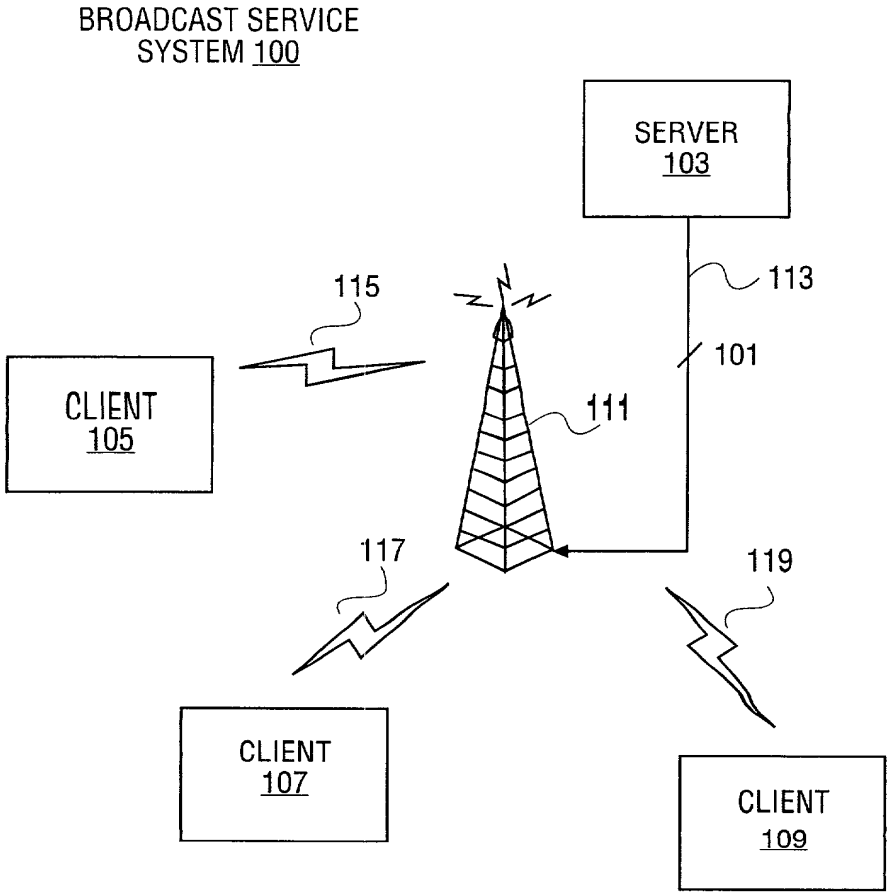

FIG. 1
(PRIOR ART)

Patent Application Publication Dec. 25, 2008 Sheet 2 of 5 US 2008/0318594 A1

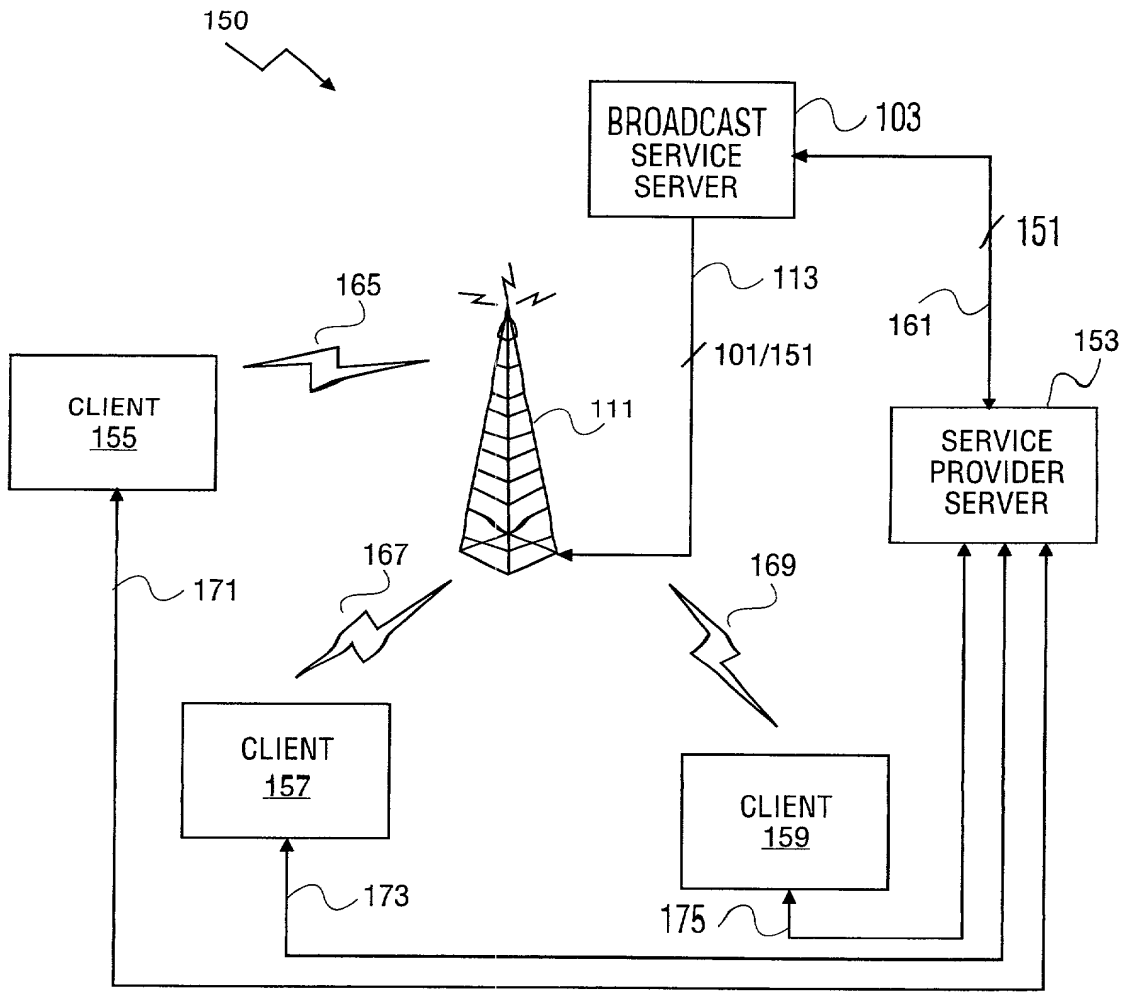

FIG. 2A

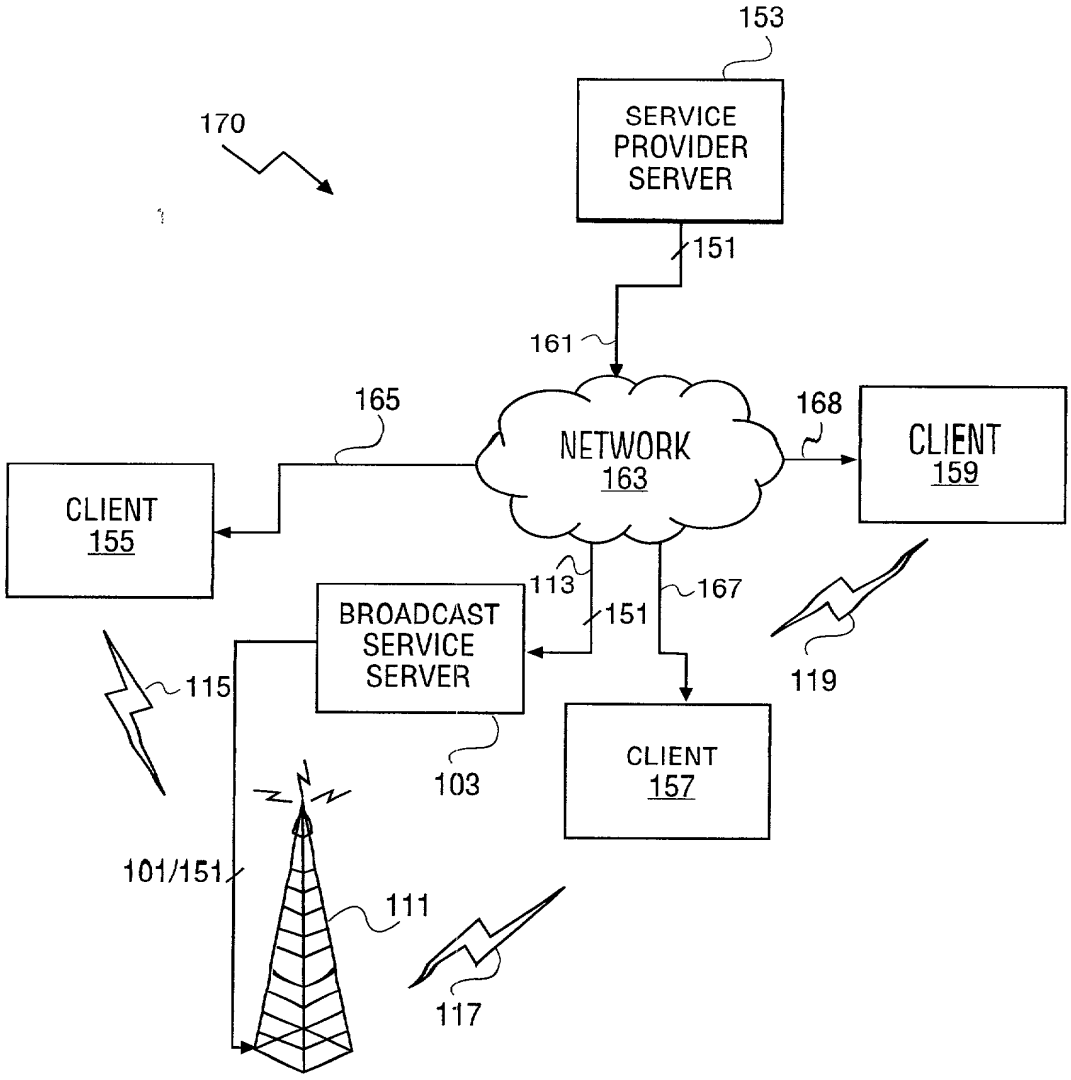
153
SERVICE PROVIDER SERVER
170
151
161
165
NETWORK 163
168
CLIENT 159
CLIENT 155
113
151
167
BROADCAST SERVICE SERVER
115
119
103
CLIENT 157
101/151
111
117

FIG. 2B

TOTTSOT 627A5860

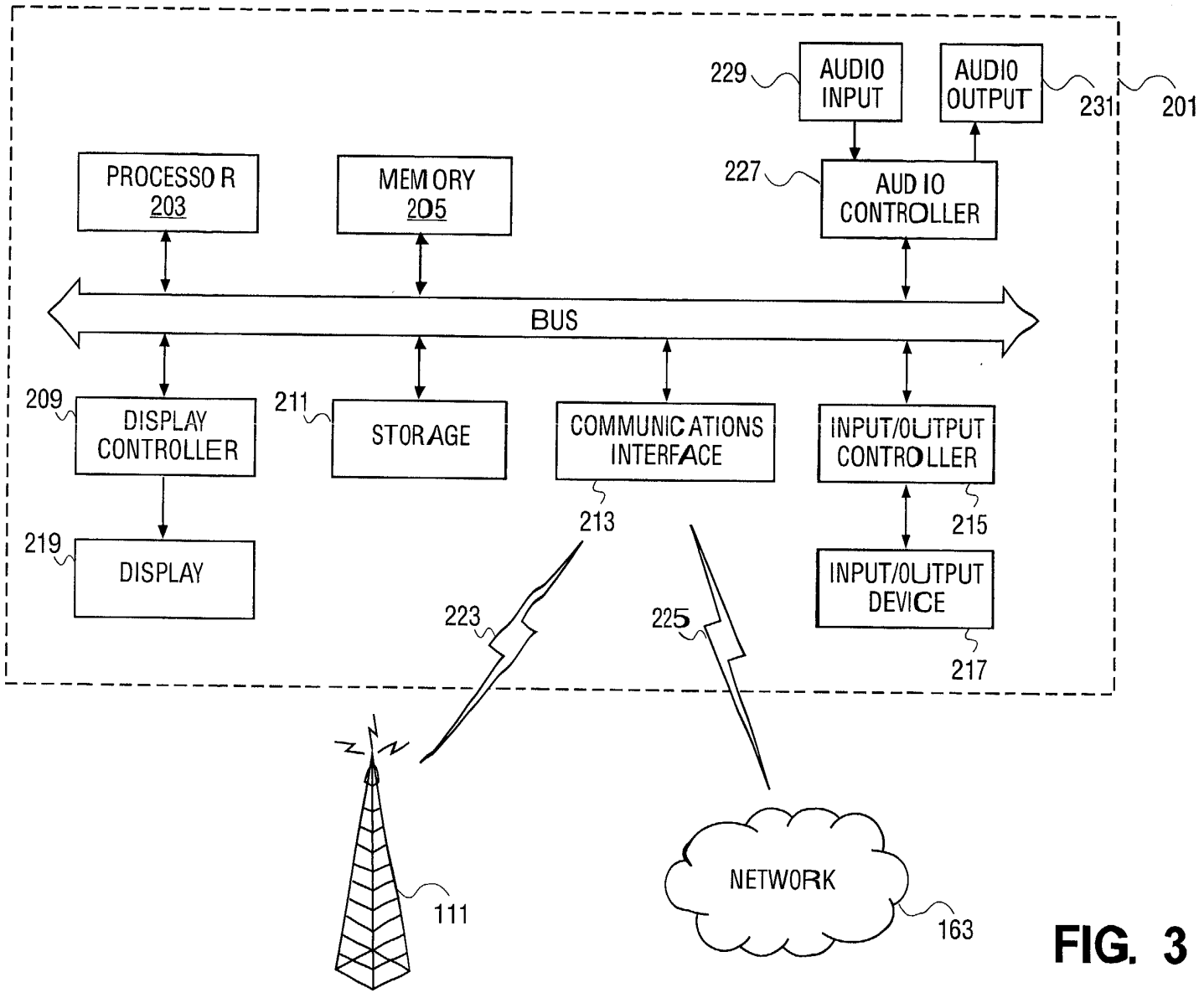

FIG. 3

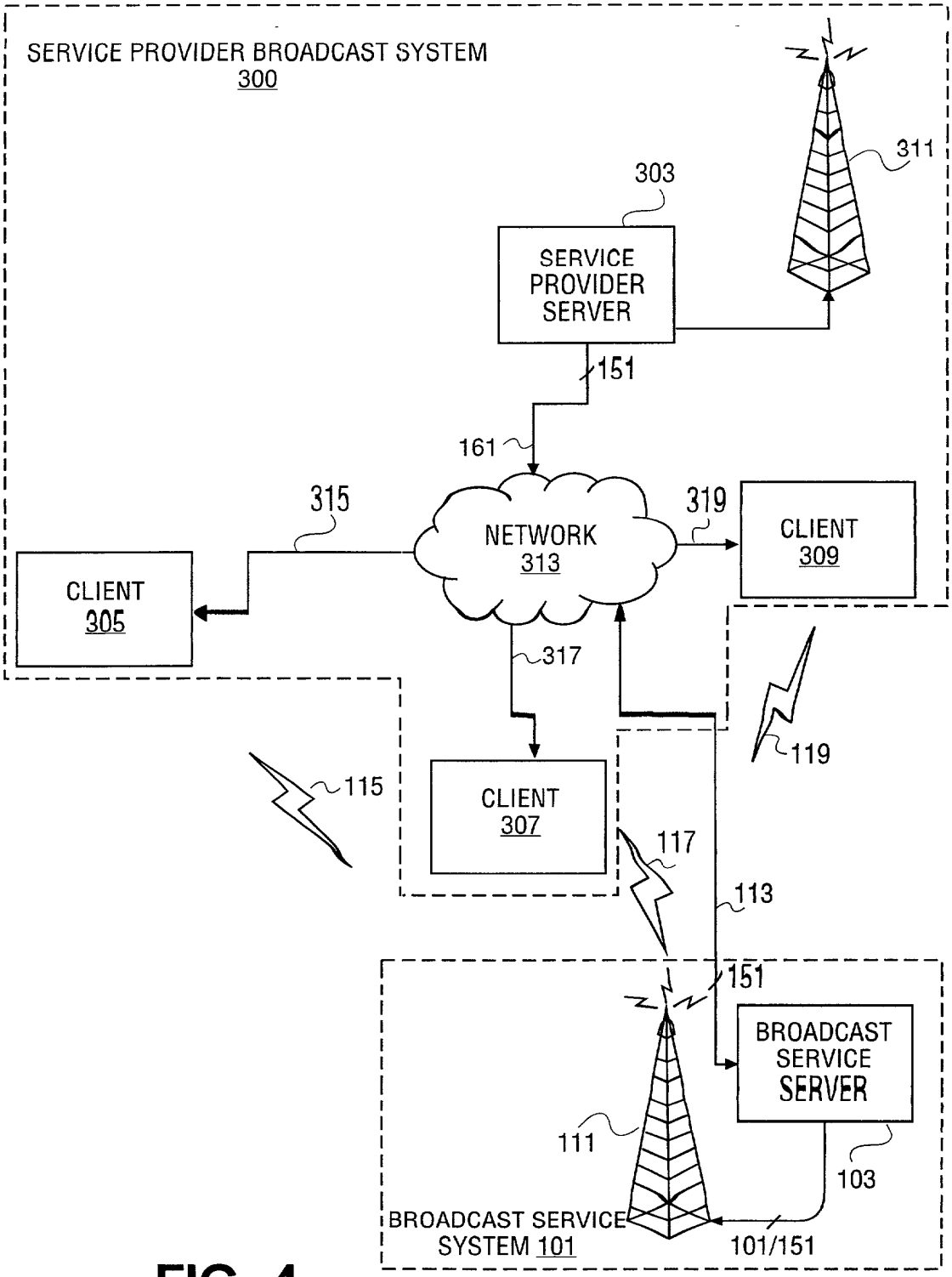
SERVICE PROVIDER BROADCAST SYSTEM
300
311
303
SERVICE PROVIDER SERVER
151
161
315
NETWORK
313
319
CLIENT
309
CLIENT
305
317
119
115
CLIENT
307
117
113
151
BROADCAST SERVICE SERVER
111
103
BROADCAST SERVICE SYSTEM 101
101/151

FIG. 4

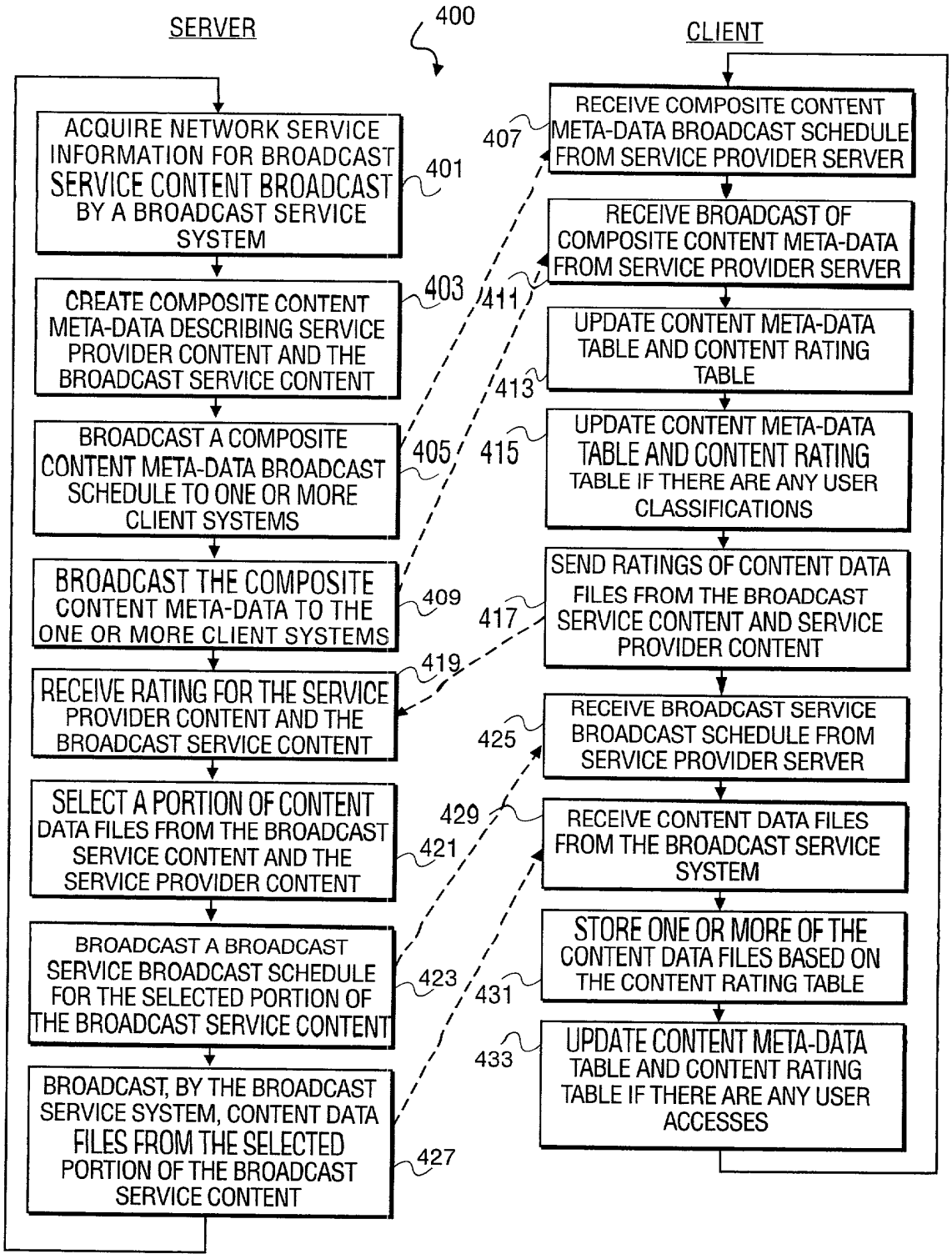
SERVER
400
CLIENT
ACQUIRE NETWORK SERVICE INFORMATION FOR BROADCAST SERVICE CONTENT BROADCAST BY A BROADCAST SERVICE SYSTEM
401
CREATE COMPOSITE CONTENT META-DATA DESCRIBING SERVICE PROVIDER CONTENT AND THE BROADCAST SERVICE CONTENT
403
BROADCAST A COMPOSITE CONTENT META-DATA BROADCAST SCHEDULE TO ONE OR MORE CLIENT SYSTEMS
405
BROADCAST THE COMPOSITE CONTENT META-DATA TO THE ONE OR MORE CLIENT SYSTEMS
409
RECEIVE RATING FOR THE SERVICE PROVIDER CONTENT AND THE BROADCAST SERVICE CONTENT
419
SELECT A PORTION OF CONTENT DATA FILES FROM THE BROADCAST SERVICE CONTENT AND THE SERVICE PROVIDER CONTENT
421
BROADCAST A BROADCAST SERVICE BROADCAST SCHEDULE FOR THE SELECTED PORTION OF THE BROADCAST SERVICE CONTENT
423
BROADCAST, BY THE BROADCAST SERVICE SYSTEM, CONTENT DATA FILES FROM THE SELECTED PORTION OF THE BROADCAST SERVICE CONTENT
427
RECEIVE COMPOSITE CONTENT META-DATA BROADCAST SCHEDULE FROM SERVICE PROVIDER SERVER
407
RECEIVE BROADCAST OF COMPOSITE CONTENT META-DATA FROM SERVICE PROVIDER SERVER
411
UPDATE CONTENT META-DATA TABLE AND CONTENT RATING TABLE
413
UPDATE CONTENT META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER CLASSIFICATIONS
415
SEND RATINGS OF CONTENT DATA FILES FROM THE BROADCAST SERVICE CONTENT AND SERVICE PROVIDER CONTENT
417
RECEIVE BROADCAST SERVICE BROADCAST SCHEDULE FROM SERVICE PROVIDER SERVER
425
RECEIVE CONTENT DATA FILES FROM THE BROADCAST SERVICE SYSTEM
429
STORE ONE OR MORE OF THE CONTENT DATA FILES BASED ON THE CONTENT RATING TABLE
431
UPDATE CONTENT META-DATA TABLE AND CONTENT RATING TABLE IF THERE ARE ANY USER ACCESSES
433

FIG. 5

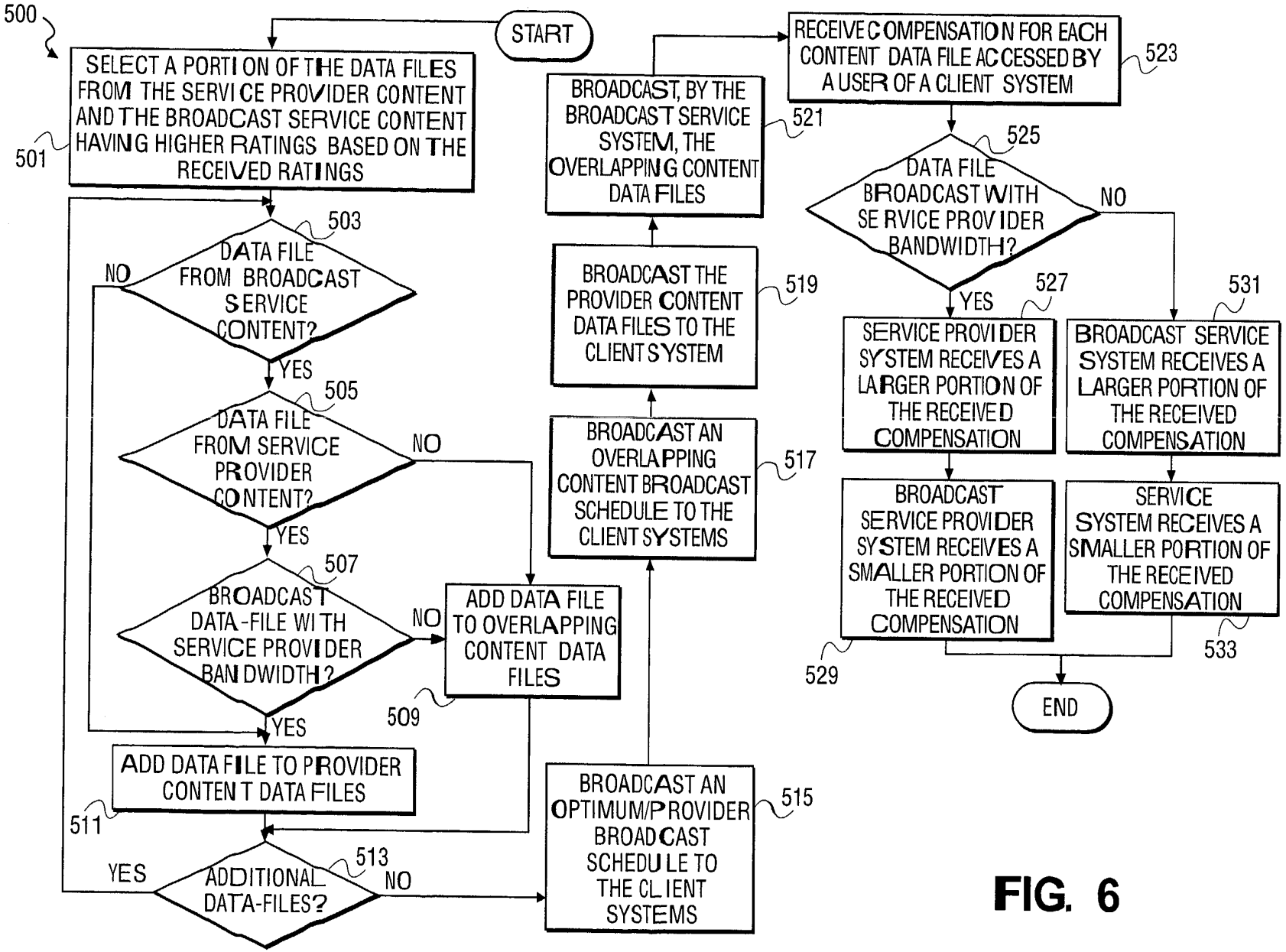
500
START
SELECT A PORTION OF THE DATA FILES FROM THE SERVICE PROVIDER CONTENT AND THE BROADCAST SERVICE CONTENT HAVING HIGHER RATINGS BASED ON THE RECEIVED RATINGS
501
DATA FILE FROM BROADCAST SERVICE CONTENT?
503
NO
YES
DATA FILE FROM SERVICE PROVIDER CONTENT?
505
NO
YES
BROADCAST DATA-FILE WITH SERVICE PROVIDER BANDWIDTH?
507
NO
YES
ADD DATA FILE TO OVERLAPPING CONTENT DATA FILES
509
ADD DATA FILE TO PROVIDER CONTENT DATA FILES
511
ADDITIONAL DATA-FILES?
513
YES
NO
BROADCAST AN OPTIMUM/PROVIDER BROADCAST SCHEDULE TO THE CLIENT SYSTEMS
515
BROADCAST AN OVERLAPPING CONTENT BROADCAST SCHEDULE TO THE CLIENT SYSTEMS
517
BROADCAST THE PROVIDER CONTENT DATA FILES TO THE CLIENT SYSTEM
519
BROADCAST, BY THE BROADCAST SERVICE SYSTEM, THE OVERLAPPING CONTENT DATA FILES
521
RECEIVE COMPENSATION FOR EACH CONTENT DATA FILE ACCESSED BY A USER OF A CLIENT SYSTEM
523
DATA FILE BROADCAST WITH SERVICE PROVIDER BANDWIDTH?
525
YES
NO
SERVICE PROVIDER SYSTEM RECEIVES A LARGER PORTION OF THE RECEIVED COMPENSATION
527
BROADCAST SERVICE SYSTEM RECEIVES A LARGER PORTION OF THE RECEIVED COMPENSATION
531
BROADCAST SERVICE PROVIDER SYSTEM RECEIVES A SMALLER PORTION OF THE RECEIVED COMPENSATION
529
SERVICE SYSTEM RECEIVES A SMALLER PORTION OF THE RECEIVED COMPENSATION
533
END

FIG. 6

TOT150 "627-h5860

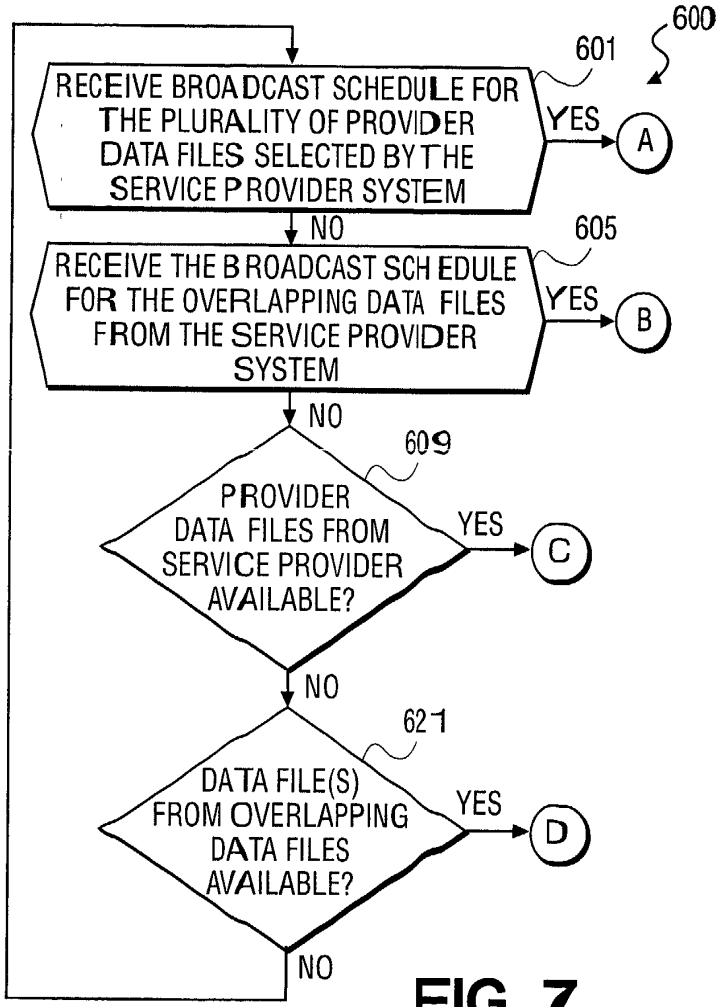

FIG. 7

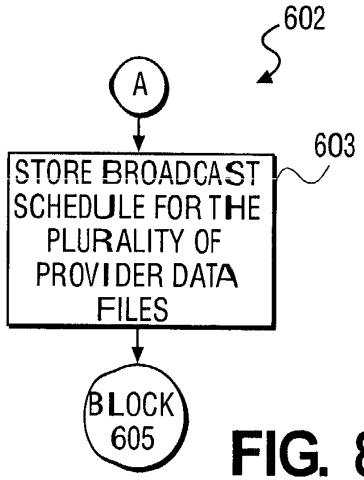

FIG. 8

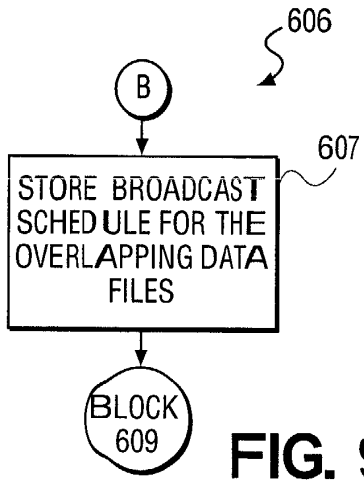

FIG. 9

EOT 150 "62Ehs860

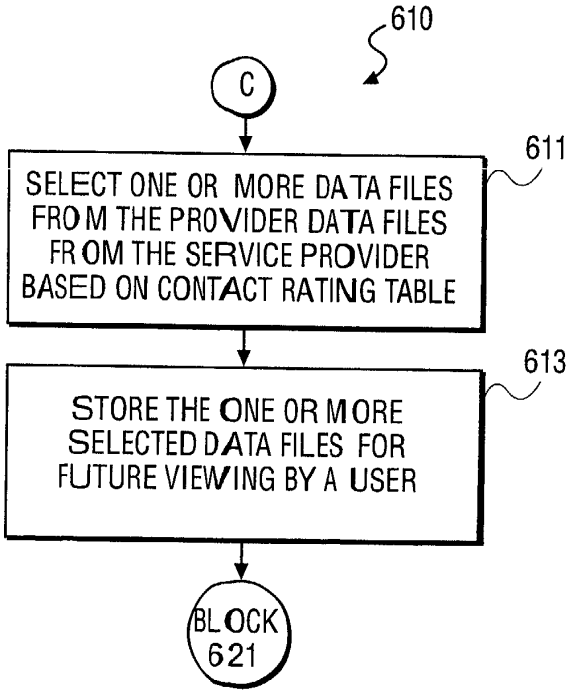

FIG. 10

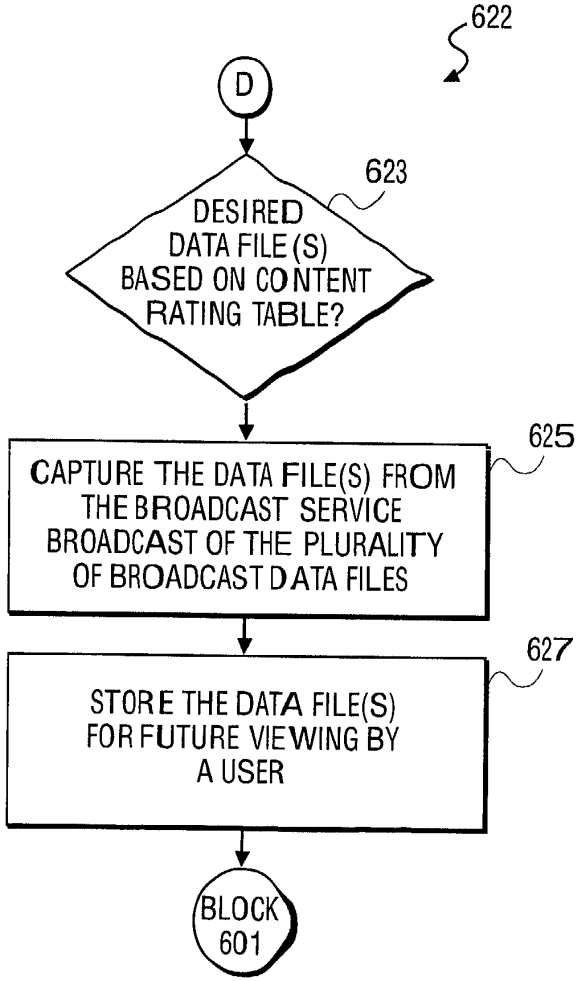

FIG. 11

TOTTEN "GETHSEMANE"

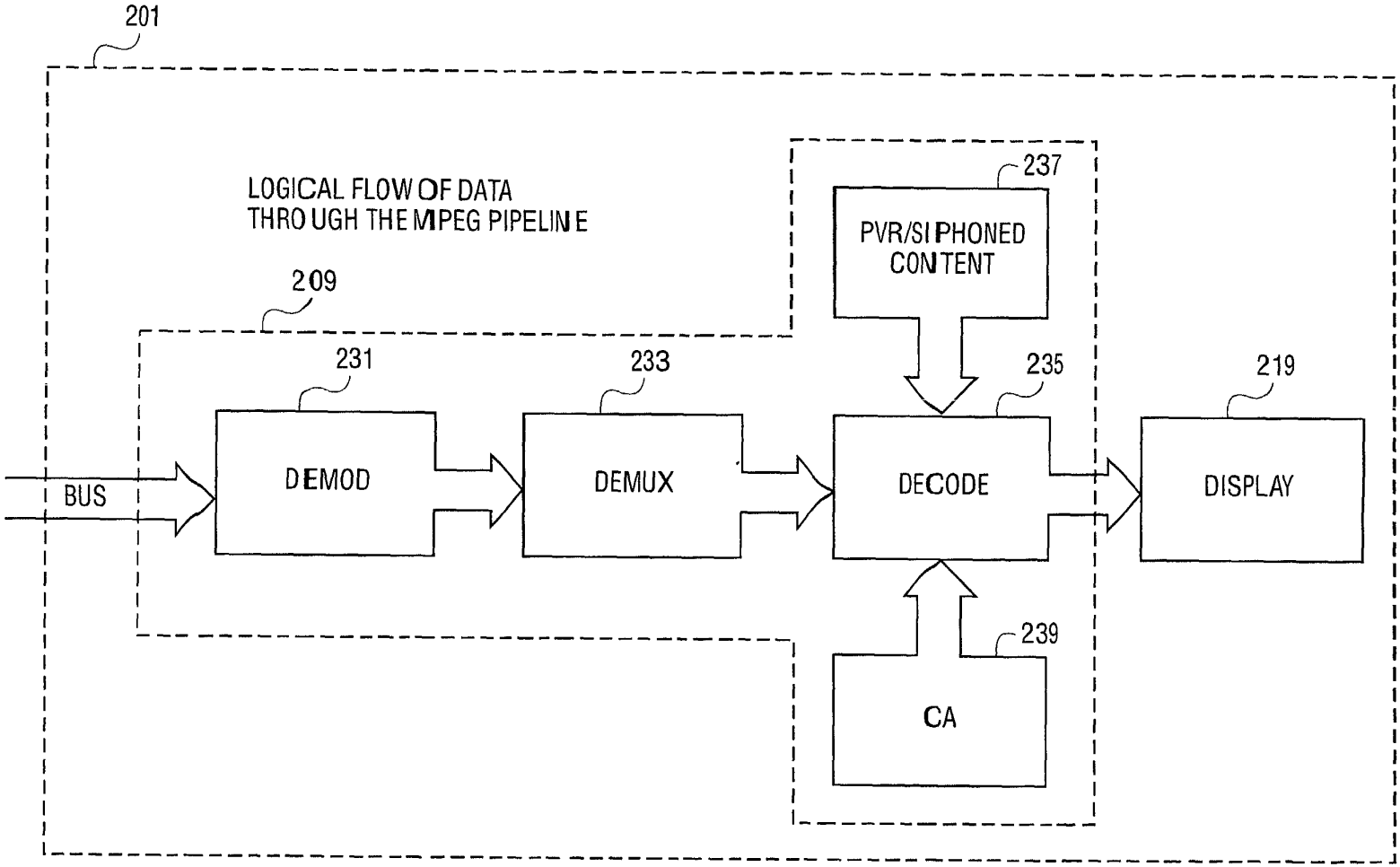

FIG. 12

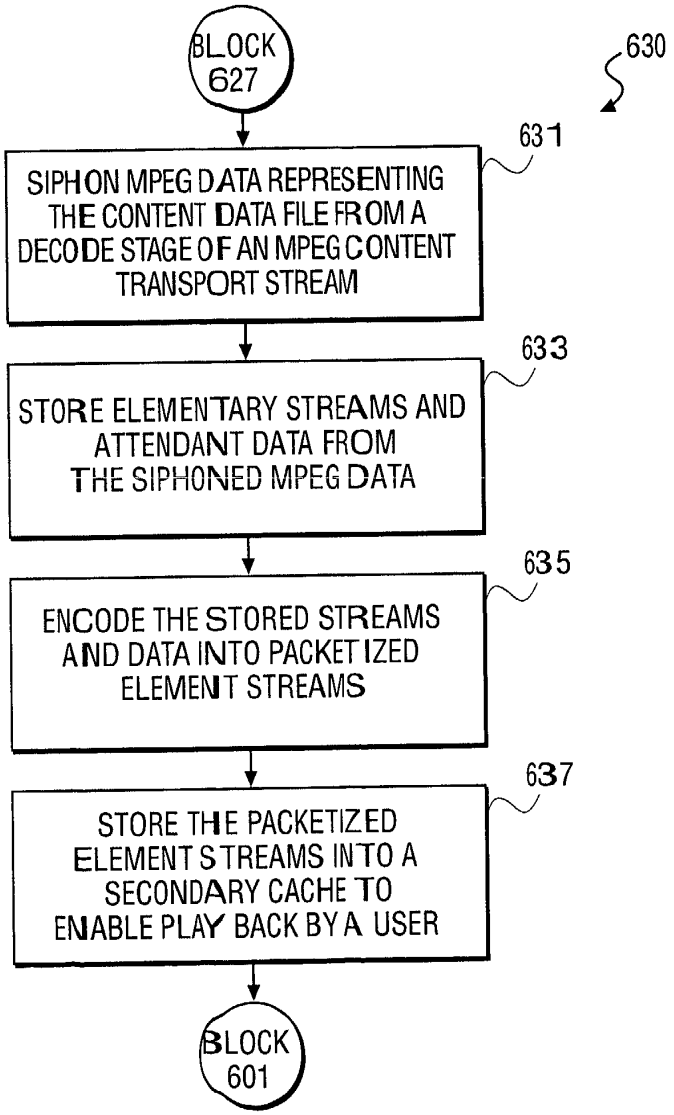
BLOCK 627
630
631
SIPHON MPEG DATA REPRESENTING THE CONTENT DATA FILE FROM A DECODE STAGE OF AN MPEG CONTENT TRANSPORT STREAM
633
STORE ELEMENTARY STREAMS AND ATTENDANT DATA FROM THE SIPHONED MPEG DATA
635
ENCODE THE STORED STREAMS AND DATA INTO PACKETIZED ELEMENT STREAMS
637
STORE THE PACKETIZED ELEMENT STREAMS INTO A SECONDARY CACHE TO ENABLE PLAY BACK BY A USER
BLOCK 601

FIG. 13

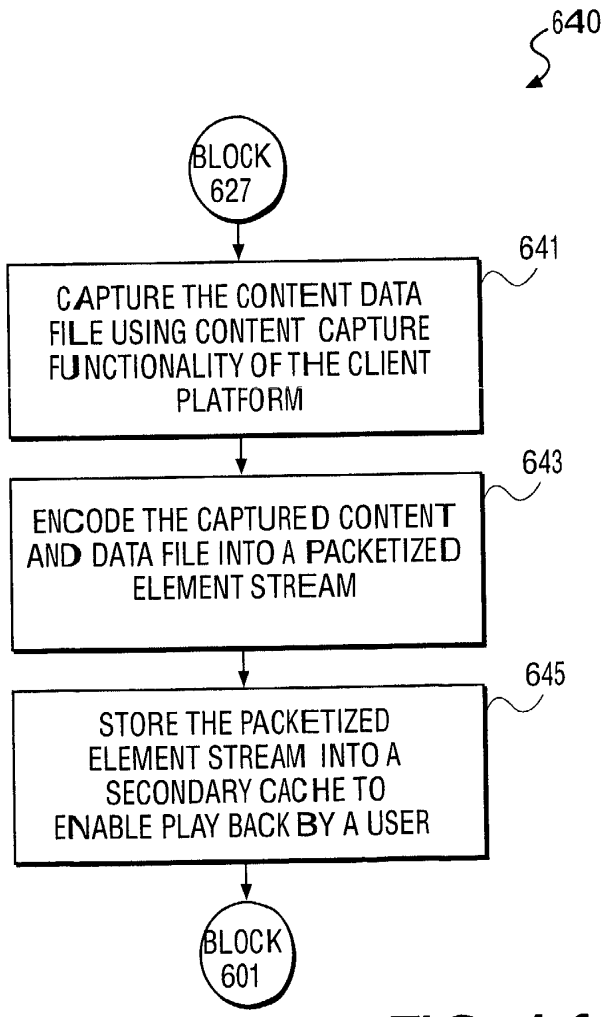
640
BLOCK 627
641
CAPTURE THE CONTENT DATA FILE USING CONTENT CAPTURE FUNCTIONALITY OF THE CLIENT PLATFORM
643
ENCODE THE CAPTURED CONTENT AND DATA FILE INTO A PACKETIZED ELEMENT STREAM
645
STORE THE PACKETIZED ELEMENT STREAM INTO A SECONDARY CACHE TO ENABLE PLAY BACK BY A USER
BLOCK 601

FIG. 14

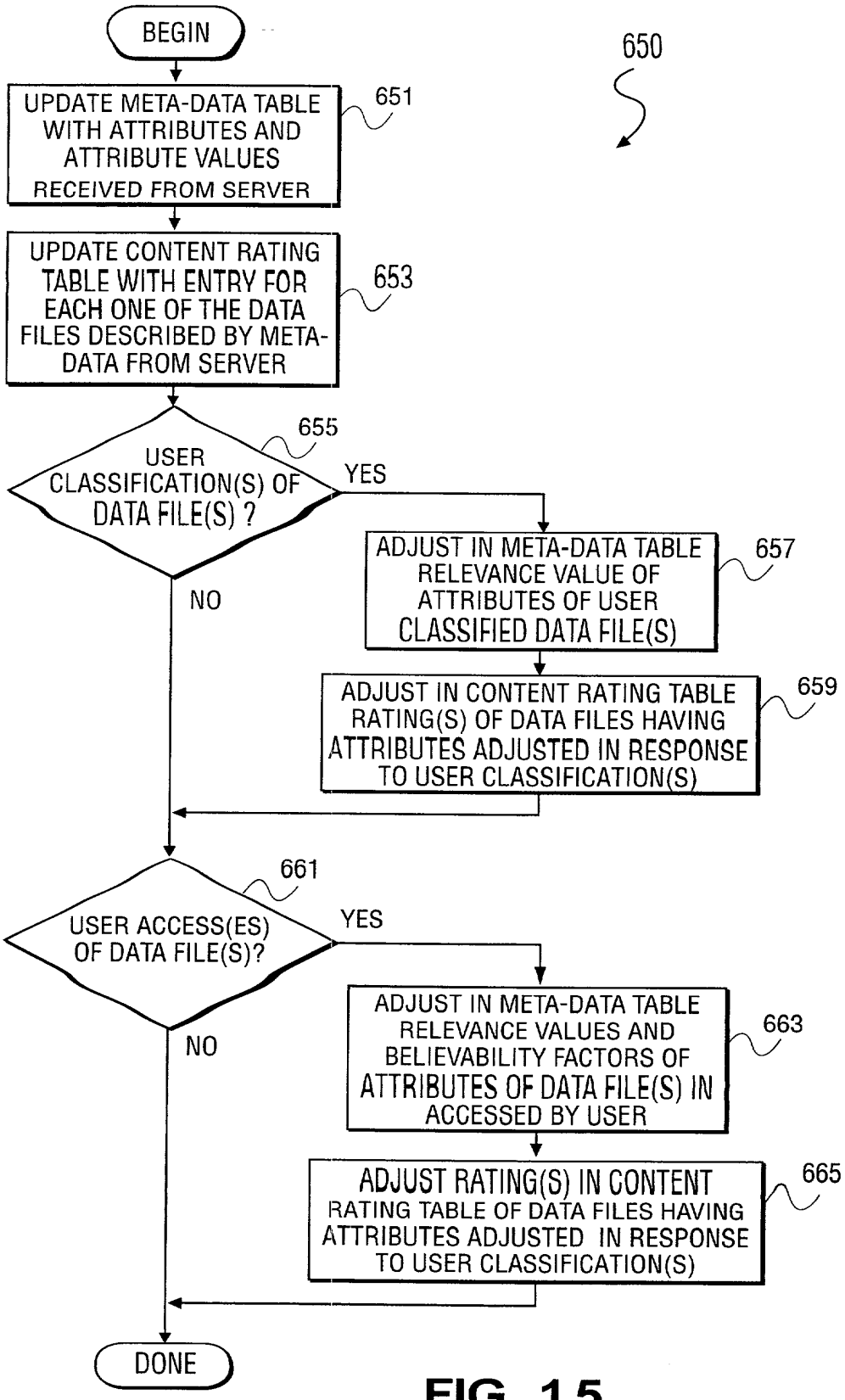
BEGIN
650
UPDATE META-DATA TABLE WITH ATTRIBUTES AND ATTRIBUTE VALUES RECEIVED FROM SERVER
651
UPDATE CONTENT RATING TABLE WITH ENTRY FOR EACH ONE OF THE DATA FILES DESCRIBED BY META-DATA FROM SERVER
653
USER CLASSIFICATION(S) OF DATA FILE(S) ?
655
YES
NO
ADJUST IN META-DATA TABLE RELEVANCE VALUE OF ATTRIBUTES OF USER CLASSIFIED DATA FILE(S)
657
ADJUST IN CONTENT RATING TABLE RATING(S) OF DATA FILES HAVING ATTRIBUTES ADJUSTED IN RESPONSE TO USER CLASSIFICATION(S)
659
USER ACCESS(ES) OF DATA FILE(S)?
661
YES
NO
ADJUST IN META-DATA TABLE RELEVANCE VALUES AND BELIEVABILITY FACTORS OF ATTRIBUTES OF DATA FILE(S) IN ACCESSED BY USER
663
ADJUST RATING(S) IN CONTENT RATING TABLE OF DATA FILES HAVING ATTRIBUTES ADJUSTED IN RESPONSE TO USER CLASSIFICATION(S)
665
DONE

FIG. 15

700

NAME	ACTOR	GENRE
ACTION DUDE	JOE SMITH	ACTION
THE FUNNY SHOW	JANE DOE	COMEDY
BLAST 'EM	JANE DOE	ACTION
HARDY HAR HAR	JOE SMITH	COMEDY

FIG. 16

800

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	0	0
ACTOR	JANE DOE	0	0
GENRE	ACTION	0	0
GENRE	COMEDY	0	0

FIG. 17

900

NAME	RATING	RATING TYPE	IN CACHE	NEXT TREATMENT
ACTION DUDE	0	N/A	YES	N/A
THE FUNNY SHOW	0	N/A	YES	N/A
BLAST 'EM	0	N/A	YES	N/A
HARDY HAR HAR	0	N/A	NO	N/A

FIG. 18

NAME	CLASSIFICATION
ACTION DUDE	RECEIVE
THE FUNNY SHOW	REFUSE
BLAST 'EM	N/A
HARDY HAR HAR	N/A

FIG. 19

700

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	-1	0
ACTOR	JANE DOE	-1	0
GENRE	ACTION	-1	0
GENRE	COMEDY	-1	0

FIG. 20

700

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	-1	1
ACTOR	JANE DOE	-1	0
GENRE	ACTION	-1	1
GENRE	COMEDY	-1	0

FIG. 21

800

NAME	RATING	RATING TYPE	IN CACHE	NEXT TREATMENT
ACTION DUDE	1	EXPLICIT	YES	REPLACE
THE FUNNY SHOW	0	EXPLICIT	YES	REPLACE
BLAST 'EM	0.5	IMPLICIT	YES	KEEP
HARDY HAR HAR	0.5	IMPLICIT	NO	CAPTURE

FIG. 22

700

ATTRIBUTE	ATTRIBUTE VALUE	RELEVANCE	BELIEVABILITY
ACTOR	JOE SMITH	-1	1
ACTOR	JANE DOE	-1	-1
GENRE	ACTION	2	2
GENRE	COMEDY	-1	0

FIG. 23